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Safety Training Resources

Available to Ground Safety Personnel

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DSN: 263-0692

4 January 2002

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Ground Safety Training
Format Note

Additional information for each slide has been added to the notes section. We recommend that you print a copy of the notes pages for use while reviewing the presentation

Where possible we will provide web site URL's that will link you to additional information on each safety course or school discussed.

The appearance of hyperlinks to civilian training sources does not constitute endorsement by the U.S. Air Force Safety Center or the information, products or services contained therein. The U.S. Air Force does not exercise any editorial control over the information you may find at these locations. Such links are provided for informational use only.

Ground Safety Training
Introduction

Training requirments are outlined in the 1S0X1 Career Field Education & Training Plan

Additional training requirements will vary by installation and mission

It is important for each safety office to identify a required “Skills Set” based on their mission and periodically identify training shortfalls

Safety offices should then create a plan to fill any shortfalls using available training sources

- **Note: The majority of training sources require some level of unit funding**

Ground Safety Training
Course Types

There are basically three types of courses:

- **"Formal" AETC sponsored courses**
  - **Technical (AETC)**
  - **Professional/Continuing Education (AFIT)**
- **"Other Continuing" AFSC sponsored courses**
- **"External" professional development courses**

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Ground Safety Training
Funding Types

- **"Formal" AETC sponsored courses**
  - **Fully funded by AETC/AFIT**
  - **Space available slots may require unit funding for travel & perdiem**
- **"Other Continuing" AFSC sponsored courses**
  - **AFSC funds tuition**
  - **Units may be required to fund travel & perdiem**
- **"External" professional development courses**
  - **Units typically fund tuition, travel, & perdiem**

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Ground Safety Training Programs
"Formal" AETC Courses

344 TRS (Safety Academy):

http://www.lackland.af.mil/344TRS/safety.asp

In-Residence, Lackland AFB

- **Safety Apprentice**
- **Safety Craftsman**
- **Flight Safety NCO**
- **Weapons Safety Management**

- **Distance Learning (CDC)**
  - **Safety Journeyman**

361 TRS (Propulsion Flight):

- **In-Residence, Sheppard AFB**
  - **Jet Engine Mishap Investigation Course**

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Ground Safety Training Programs
"Formal" AETC Courses

342 TRS (Security Forces Combat Training Flight):

http://www.lackland.af.mil/342trs/Traffic1.HTM

In-Residence, Lackland AFB

- **Traffic Management and Accident Investigation**

Air Force Institute for Advanced Distributed Learning (AFIADL):

http://www.maxwell.af.mil/au/afiadl/

- **USAF Ergonomics (CD-ROM)**

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Ground Safety Training Programs
"Other Continuing" AFSC Courses

Air Force Safety Center:

http://safety.kirtland.af.mil/

- **In-Residence, Kirtland AFB**
  - **Senior Safety Professional (AFIT Funded)**
  - **Chief of Safety (AFIT Funded)**
  - **Mishap Investigation Non-Aviation (Unit funds travel & perdiem)**
  - **ORM Application and Integration Course (Unit funds travel & perdiem)**
- **Satellite Based Training Courses**
  - **OSHA 226: Permit-required Confined Space Entry**
  - **ORM Essentials for Supervisors Course**
- **Computer Based Training Courses, Available for Local Use**
  - **OSHA 600:Collateral Duty Safety & Health Course**
  - **Weapons Safety NCO**
  - **Confined Space Training**

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Ground Safety Training Programs
"Other Continuing" AFSC Courses

- **Web Based Training**
  - **OSHA 600:Collateral Duty Safety & Health Course**

    http://safety.kirtland.af.mil/AFSC/RDBMS/Ground/OSHA 600 for website/index.htm
  - **ORM Fundamentals Course**
  - **ORM Executive Leaders Session**

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Ground Safety Training Programs
"Continuing" AFIT-CESS Courses

Air Force Institute of Technology (AFIT) - Civil Engineer And Services School (CESS)

http://cess.afit.edu/courses_menu.htm

- **In-Residence, Wright-Patterson AFB, Ohio**
  - **ENV 020: Environmental Compliance Assessment**
  - **ENV 021: Introduction to Installation Restoration Program**
  - **ENV 022: Pollution Prevention Program Operations and Management**
  - **ENV 101: Introduction to Environmental Management**
  - **ENV 220: Unit Environmental Coordinator**
  - **ENV 222: Hazardous Material Management Program**
  - **ENV 416: Environmental Flight Commander's Course**
  - **ENV 417: Environmental Restoration Project Management**
  - **ENV 418: Environmental Contracting**
  - **ENV 419: Environmental Planning, Programming and Budgeting**
  - **ENV 521: Hazardous Waste Management**

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Ground Safety Training Programs
"External" Courses

There are a huge number of "External" professional development courses available throughout the United States. Course attendance is not mandatory but may be dictated by local mission/needs

General Topics include:

- **OSHA Compliance**
- **Safety Management**
- **Accident Investigation**
- **Environmental Safety & Compliance**
- **Facility and Safety Program Inspections**
- **Professional Development & Certification**

Ground Safety Training Programs
OSHA Training Resources

OSHA Training Resources Web Site:

http://www.osha-slc.gov/fso/ote/training/training_resources.html

- **The OSHA Training Institute (OTI) Education Center**
  - **Offer courses to Federal and State agencies and the public and private sector**
- **The OSHA Outreach Training Program**
  - **OSHA's primary worker training program**
- **The Resource Center Loan Program**
  - **makes training materials available to OSHA Staff and to Federal and private sector employees who have completed a required OSHA construction industry or general industry trainer course**

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Ground Safety Training Programs
OTI Education Center Locations

The OSHA Training Institute is located in Des Plaines, Illinois

Regional Education Centers are located in the following cities:

- Manchester, New Hampshire
- Lockport, New York
- Washington, D.C.
- Morgantown, West Virginia
- Silver Spring, Maryland
- Atlanta, Georgia
- Minneapolis, Minnesota
- St. Paul, Minnesota
- Cincinnati, Ohio
- Ypsilanti, Michigan
- DeKalb, Illinois
- Hillside, Illinois
- Itasca, Illinois
- Mesquite, Texas
- Kansas City, Missouri
- Lakewood, Colorado
- San Diego, California
- Seattle, Washington

Note: A schedule of classes for each Education Center is available at:

http://www.osha-slc.gov/fso/ote/training/otischedule_2002.pdf

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Ground Safety Training Programs
OSHA Courses (Incomplete)

- #100 Initial Compliance Course
- #102 Basic Accident Investigation
- #105 Introduction To Safety Standards For Safety Officers
- #121 Introduction To Industrial Hygiene For Safety Personnel
- #141 Inspection Techniques And Legal Aspects
- #200 Construction Standards
- #201 Hazardous Materials
- #202 Advanced Accident Investigation
- #203 Basic Electrical Principles
- #204 Machinery And Machine Guarding Standards
- #205 Cranes And Rigging Safety For Construction
- #207 Fire Protection And Life Safety
- #208 Cranes And Materials Handling For General Industry

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Ground Safety Training Programs
OSHA Courses (Incomplete)

- #209 Construction Inspection Procedures And Policy
- #220 Industrial Noise
- #221 Principles Of Industrial Ventilation
- #222 Respiratory Protection
- #223 Industrial Toxicology
- #224 Laboratory Safety And Health
- #225 Principles Of Ergonomics Applied To Work-related Musculoskeletal And Nerve Disorders
- #226 Permit-required Confined Space Entry
- #234 Biohazards
- #235 Expanded Health Standards
- #236 Heating, Ventilating And Air Conditioning (HVAC) Systems Course
- #245 Evaluation Of Safety And Health Programs

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Ground Safety Training Programs
OSHA Courses (incomplete)

- #301 Excavation, Trenching And Soil Mechanics
- #302 Tunneling And Underground Operations
- #303 Concrete, Forms And Shoring
- #305 OSHA Technical Update—safety
- #308 Principles Of Scaffolding
- #309 Electrical Standards
- #310 Applied Spray Finishing And Coating Principles
- #311 Fall Arrest Systems
- #326 Health Hazards In The Construction Industry For Safety Personnel
- #336 Health Care Course

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Ground Safety Training Programs
OSHA Trainer Courses

- #500 Trainer Course In Occupational Safety And Health Standards For The Construction Industry
- #501 Trainer Course In Occupational Safety And Health Standards For General Industry
- #502 Update For Construction Industry Outreach Trainers
- #503 Update For General Industry Outreach Trainers
- #510 Occupational Safety And Health Standards For The Construction Industry
- #521 The Guide To Industrial Hygiene
- #600 Collateral Duty Course For Other Federal Agencies
- #601 Occupational Safety And Health Course For Other Federal Agencies

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Ground Safety Training Programs
TSI Courses (Incomplete)

- **Transportation Safety Institute, Oklahoma City, OK**

  http://www.tsi.dot.gov/

  - **Environmental Safety**
  - **Aircraft Accident Investigation First Responder Seminar**
  - **Transportation Accident Response Awareness for First Responders**
  - **Facility System Safety**
  - **Safety Officer**
  - **Ergonomics**
  - **ORM Essentials for Leaders**
  - **ORM Fundamentals**
  - **Operational Risk Management (ORM)**
  - **Performance Management for Safety**
  - **Awareness for Initial Response to Hazardous Materials**
  - **Asbestos Operation and Maintenance for Class III Activities**
  - **Safety Program Management**
  - **Certified Safety Professional (CSP) Comprehensive Preparation**

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Ground Safety Training Programs
TSI Courses (Incomplete)

- Confined Space (Entrant/Attendant)
- Confined Space Refresher (Entrant/Attendant)
- Confined Space (Entry Supervisor)
- Basic Rescue - Confined Space Rescue (Level 1 Basic)
- Lockout/Tagout (Control of Hazardous Energy)
- 10-Hour General Industry Safety and Health
- 30-Hour General Industry Safety and Health
- First Responder Awareness (29 CFR Chapter XVII 1910.120(q))
- First Responder Operations Level (29 CFR Chapter XVII 1910.120(q))
- First Responder Awareness or Operations Refresher (29 CFR Chapter XVII 1910.120 (q))
- Trenching and Excavating
- Lockout/Tagout
- Emergency Response to Hazardous Materials (29 CFR 1910.120(q))

- Hazardous Materials Clean-up (29 CFR 1910.120 (c))
- Hazardous Materials Transportation Seminar
- Hazardous Materials Awareness Seminar

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Ground Safety Training Programs
NSC Courses (Incomplete)

- **National Safety Council**

  http://www.nsc.org/

- **Advanced Safety Certificate Courses**
  - Principles of Occupational Safety & Health (POSH)
  - Safety Management Techniques (SMT)
  - Safety Training Methods (STM)

- **Safety Management Skills Courses**
  - Ergonomics: Evaluation and Applications
  - Incident (Accident) Investigation
  - Job Safety Analysis
  - On-Site Emergency Response Planning
  - Safety Inspections

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Ground Safety Training Programs
NSC Courses (Incomplete)

- Team Safety
- Regulatory Compliance Courses
- Lift Truck Operation
- On-Site Emergency Response Planning
- OSHA 10-Hr. Construction
- OSHA 10-Hr. General Industry
- OSHA Recordkeeping Seminar

Ground Safety Training Programs
Northwestern University Courses

- **Northwestern University/Center for Public Safety:**
  http://server.traffic.northwestern.edu/
  - **Accident Investigation 1**
  - **Accident Investigation 2**
  - **Computerized Traffic Accident Reconstruction 1 - EDCRASH**
  - **Computerized Traffic Accident Reconstruction 3 - EDSMAC**
  - **Heavy Vehicle Crash Reconstruction**
  - **Microcomputer Assisted Traffic Accident Reconstruction - EDCRASH**
  - **Special Reconstruction of Leaving the Scene and Pedestrian Collisions**
  - **Traffic Accident Reconstruction 1**
  - **Traffic Accident Reconstruction 2**
  - **Vehicle Dynamics**

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Ground Safety Training Programs
Other Organizations

- **National Playground Safety Institute:**
  http://www.opraonline.org/playgrnd/institut.htm
  - **Playground Safety Inspector Certification Course**
- **National Lightning Safety Institute:**
  http://www.lightningsafety.com/
  - **Lightning Safety Course**
- **AAA Foundation for Traffic Safety:**
  http://www.aaafoundation.org/home/
  - **AAA Driver Improvement Courses**
- **American Society of Safety Engineers:**
  http://www.asse.org/
  - **Professional Development Training (ASP,CSP,OHST)**

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Ground Safety Training Programs
Other Organizations

- **Board of Certified Safety Professionals:**
  http://www.bcsp.org/
  - **Professional Development Training (ASP,CSP)**
- **USAA Educational Foundation**
  http://www.usaaedfoundation.org
  - **Child Safety Seat Workshops & Clinics**
- **The other Services will provide space available slots for their existing formal safety training courses. More information can be found at their web sites:**
  - **http://safety.army.mil/home.html**
  - **http://www.safetycenter.navy.mil/**
  - **http://www.hqmc.usmc.mil/safety.nsf/**

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Ground Safety Training Programs
Other Organizations

- **Defense Automated Visual Information System/Defense Instructional Technology Information System (DAVIS/DITIS)**

  http://dodimagery.afis.osd.mil/dodimagery/davis/

  - **Searchable listings of thousands of audiovisual (AV) productions and interactive multimedia instruction (IMI) products used by the Department of Defense (DoD)**

- **Numerous Colleges and Universities provide Safety Courses**

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Ground Safety Training Recommendations

Each safety office must identify a required "Skills Set" based on their mission

Required Additional Skills	Course	Cost	Date	Edward	Shep	Kent	Chris	Dan (PCS)	Shortfalls
Hazardous Materials Management	OSHA 201			✈					None
Accident Investigation	MINA					✈			None
Basic Electrical Principles	OSHA 203	$1200	16 Sep 02		X				x
Machinery And Machine Guarding Standards	OSHA 204			✈		✈	✈		None
Cranes And Rigging Safety For Construction	OSHA 205					✈	✈		None
Laboratory Safety Compliance	OSHA 224	$1200	1 Jul 02					✈	15 Jul 02

They must then identify shortfalls, develop a plan to provide required training and budget for course attendance as required

An extensive number of sample Ground Safety Training Program documents are available on the AFSC Ground Safety Training Page at:

http://safety.kirtland.af.mil/AFSC/RDBMS/Ground/training.htm